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- (71) Applicant (for all designated States except US): **EX-ELIXIS, INC.** [US/US]; P.O. Box 511, 170 Harbor Way, South San Francisco, CA 94083-0511 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SONG, Chunyan** [CN/US]; 95 Behr Avenue, San Francisco, CA 94131 (US). **OLLMANN, Michael, Martin** [US/US]; 8 Odessa Court, Redwood City, CA 94063 (US). **LICKTEIG, Kim** [US/US]; 1921 Grove Street, San Francisco, CA 94117 (US).
- (74) Agents: **SHAYESTEH, Laleh et al.**; Exelixis, Inc., P.O. Box 511, 170 Harbor Way, South San Francisco, CA 94083-0511 (US).
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(54) Title: **RANBP2 AS MODIFIER OF THE PTEN/IGF PATHWAY AND METHODS OF USE**

(57) Abstract: Human RANBP2 genes are identified as modulators of the PTEN/IGF pathway, and thus are therapeutic targets for disorders associated with defective PTEN/IGF function. Methods for identifying modulators of PTEN/IGF, comprising screening for agents that modulate the activity of RANBP2 are provided.